NP_003801_NM_003810	MAMMEVQGGPSLGQTCVLIVIFTVLLQSLCVAVTYVYFTNELKQMQDKYSKSGIACFLKE ************************************	
CLM00108891_5pv1.a NP_003801_NM_003810	DDSYMDPNDEESMNSPCWQVKWQLRQLVRKMILRTSEETISTVQEKQQNISPLVRERGPQ ************************************	
CLN00108891_5pv1.a NP_003801_NM_003810	RVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSGHSFLSNLHLRNGELVIHEKG RVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSGHSFLSNLHLRNGELVIHEKG ************************************	
CLN00108891_5pv1.a NP_003801_NM_003810	FYXIYSQTYFREQEEIKENTKNDKQMVQYIYKYTSYPDPILLMKSARNSCWSKDAEYGLY FYYIYSQTYFREQEEIKENTKNDKQMVQYIYKYTSYPDPILLMKSARNSCWSKDAEYGLY ***********************************	_
CLN00108891_5pv1.a NP_003801_NM_003810	SIYQGGIFELKENDRIFVSVTNEHLIDMDHEASFFGAFLVG SIYQGGIFELKENDRIFVITONDHEASFFGAFLVG	

CLN00493987_5pv1.a NP_006841_NM_006850_excn4	
	NNFQQRLQSLWTLARPFCPPLLATASQMQMVVLPCLGFTLLLWSQVSGAQGQEFHFGPCQ 60  MNFQQRLQSLWTLAMQMVVLPCLGFTLLLWSQVSGAQGQEFHFGPCQ 33
CLN00493987_5pv1.a NP_006841_NM_006850_exon4 NP_006841_NM_006850 CLN00453866_5pv1.a NP_006841_NM_006850_exon1	VKGVVPQKLWEAFWAVKDTMQAQDNITSARLLQQEVLQNVSDAESCYLVHTLLEFYLKTV 93 VKGVVPQKLWEAFWAVKDTMQAQDNITSARLLQQEVLQNVSDAESCYLVHTLLEFYLKTV 120 VKGVVPQKLWEAFWAVKDTMQAQDNITSARLLQQEVLQNV73
CLN00493987_Spv1.a NP_006841_NM_006850_exon4 NP_006841_NM_006850 CLN00453866_5pv1.a NP_006841_NM_006850_exon1	FKNYHNRTVEVRTLKSFSTLANNFVLIVSQLQPSQENEMFSIRDSAHRRFLLFRRAFKQL 153 FKNYHNRTVEVRTLKSFSTLANNFVLIVSQLQPSGENEMFSIRDSAHRRFLLFRRAFKQL 180 FKNYHNRTVEVRTLKSFSTLANNFVLIVSQLQPSGENEMFSIRDSAHRRFLLFRRAFKQL 100
CLN00493987_5pv1.a NP_006841_NM_006850_excn4 NP_006841_NM_006850 CLN00453866_5pv1.a NP_006841_NM_006850_excn1	DVEAALTKALGEVDILLTWMQKFYKL 179  DVEAALTKALGEVDILLTWMQKFYKL 206  DVEAALTKALGEVDILLTWMQKFYKL 126

Fig.

	-		40 m 6	4	194 149 155 240	•
MAMMEVQGGPSLGQTCVLIVIFTVLLQSLCVAVTYVYFTNELKQM	6	MAMMEVQGGPSLGQTCVLIVIFTVLLQSLCVAVTYVYFTNELKQMQDKYSKSGIACFLKE 60	TLRTSEETISTVQEKQQNISPLVRERGPQ 74	RVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSGHSFLSNLHLRNGELVIHEKG 13. RVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSGHSFLSNLHLRNGELVIHEKG 89 RVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSGHSFLSNLHLRNGELVIHEKG 67 RVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSGHSFLSNLHLRNGELVIHEKG 67 RVAAHITGTRGRSNTLSSPNSKNEKALGRKINSWESSRSGHSFLSNLHLRNGELVIHEKG 18 ************************************	FYYIYSQTYFREQEBIKENTKNDKQMVQYIYKYTSYPDPILLMKSARNSCWSKDAEYGLY FYYIYSQTYFRFQEBIKENTKNDKQMVQYIYKYTSYPDPILLMKSARNSCWSKDAEYGLY FYYIYSQTYFRFQEBIKENTKNDKQMVQYIYKYTSYPDPILLMKSARNSCWSKDAEYGLY FYYIYSQTYFRFQEBIKENTKNDKQMVQYIYKYTSYPDPILLMKSARNSCWSKDAEYGLY FYYIYSQTYFRFQBBIKENTKNDKQMVQYIYKYTSYPDPILLMKSARNSCWSKDAEYGLY FYYIYSQTYFRFQBBIKENTKNDKQMVQYIYKYTSYPDPILLMKSARNSCWSKDAEYGLY	SIYQGGIFELKENDRIFVSVTNEHLIDMDHEASFFGAFLVG 235 SIYQGGIFELKENDRIFVSVTNEHLIDMDHEASFFGAFLVG 196 SIYQGGIFELKENDRIFVSVTNEHLIDMDHEASFFGAFLVG 168 SIYQGGIFELKENDRIFVSVTNEHLIDMDHEASFFGAFLVG 168 SIYQGGIFELKENDRIFVSVTNEHLIDMDHEASFFGAFLVG 281
CLN00108891_5pv1.a	CLN00108891_frag2	NP_003801_NM_003810_frag1	CLN00108891_5pv1.a CLN00108891_frag1 CLN00108891_frag2 NP_003801_NM_003810_frag1 NP_003801_NM_003810_	CLN00108891_5pv1.a CLN00108891_frag1 CLN00108891_frag2 NP_003801_NM_003810_frag1 NP_003801_NM_003810_	CLN00108891_5pv1.a CLN00108891_frag1 CLN00108891_frag2 NP_003801_NM_003810_frag1 NP_003801_NM_003810	CLN00108891_5pv1.a CLN00108891_frag1 CLN00108891_frag2 NP_003801_NM_003810_frag1 NP_003801_NM_003810_

19. c

## **APO2L Constructs**

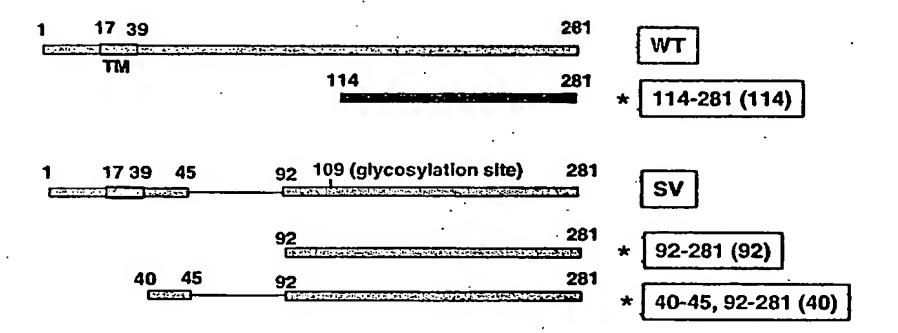
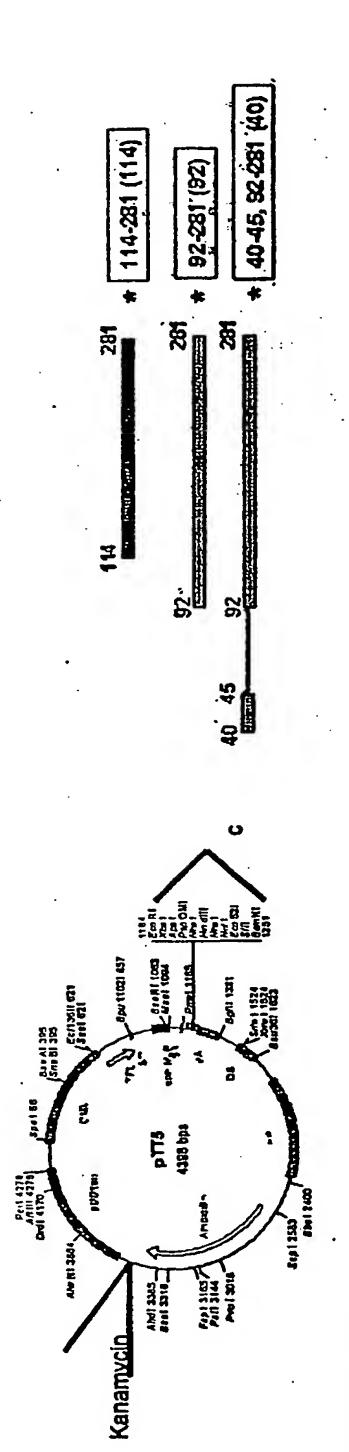


Fig. 4

Vectors for Producing Secreted Proteins with and w/o a CleavableTag



Vector C:

CTITICTGEAGLITICCTGGAACCCTGGGCATCT GCCGCCACCATGAAGACCTGCTGGAAAATTCCAGTTTTCTT(
Kozak

CATTCGAAGGTAAGCCTATCCCTAACCCTCTCGGTCTC GGATCCCTGGTTCCGCGTGGCTCAGGCT
BamH1
Thrombin GCAGAATTC-EcoR1

EcoR1 BamH1 Thrombin GATTCTACGCGTACGGGTCATCACCATGGAGGACAGTGA

Our vector in the pipeline: 25 aa for sp and EcoRI--3kD

41aa for BamHl and Thrombin site and V5H8(25aa) —5kD

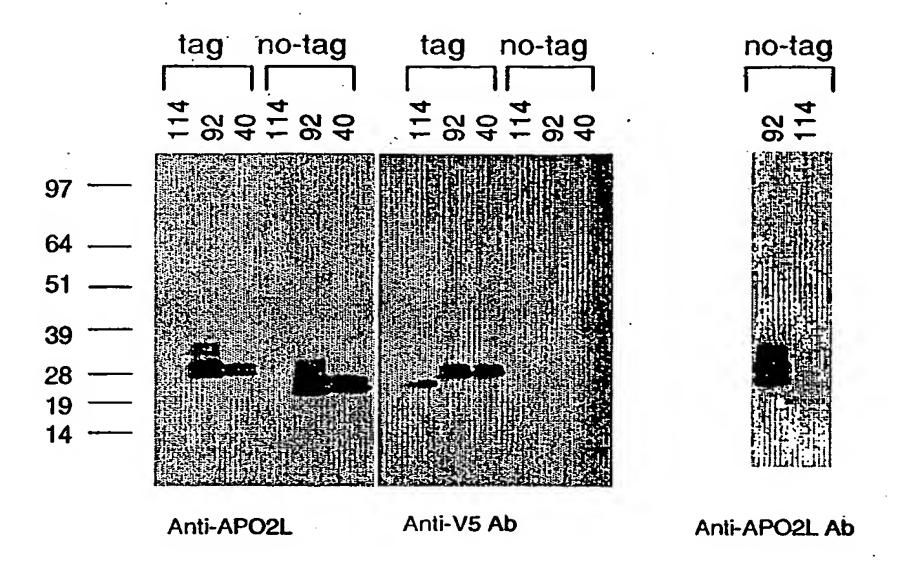
No-tag: add 3 kD

Tag: add 8 kD

Fig. 5

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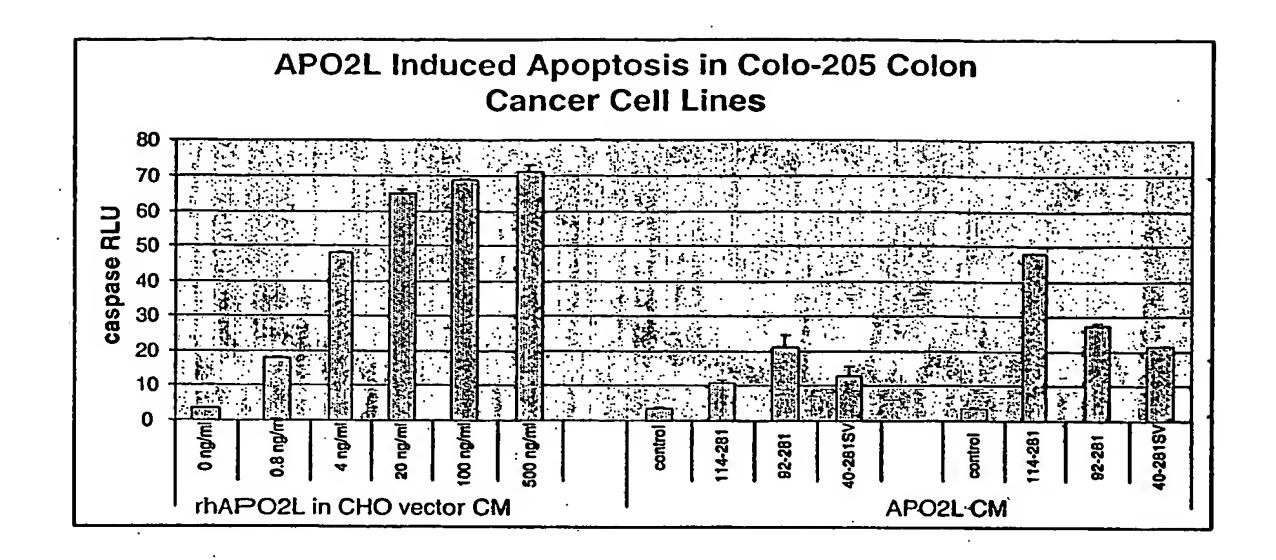
**APO2L Protein Expression** 



	protein	Molecular Mass	no-tag	with tag
114	168 aa	19.5 k <b>D</b>	23 kD	28 kD
92	190 aa	22 kD	25 kD	30 kD
40	196 aa	22.7 kD	26 kD	31 kD

Fig. 6

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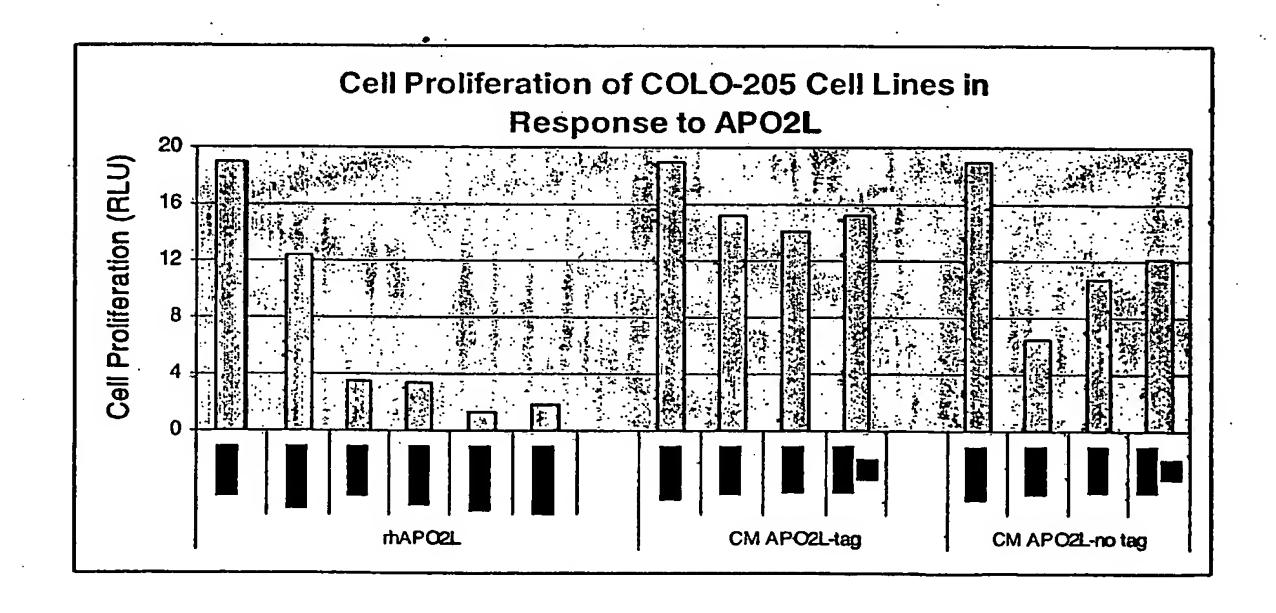
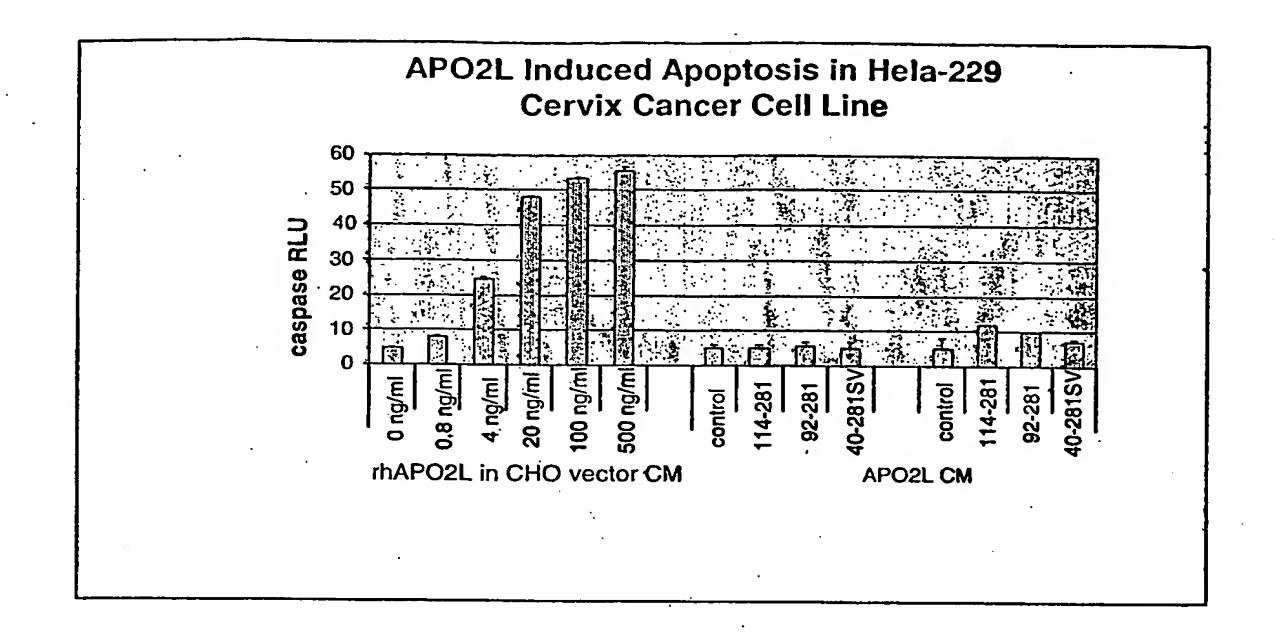


Fig. 7



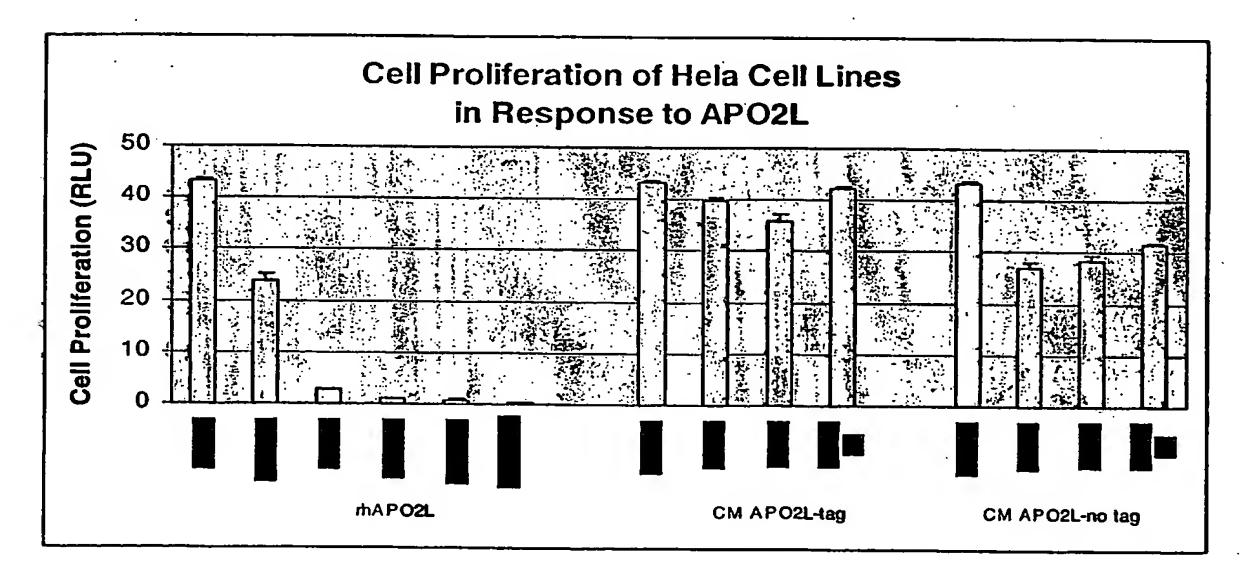
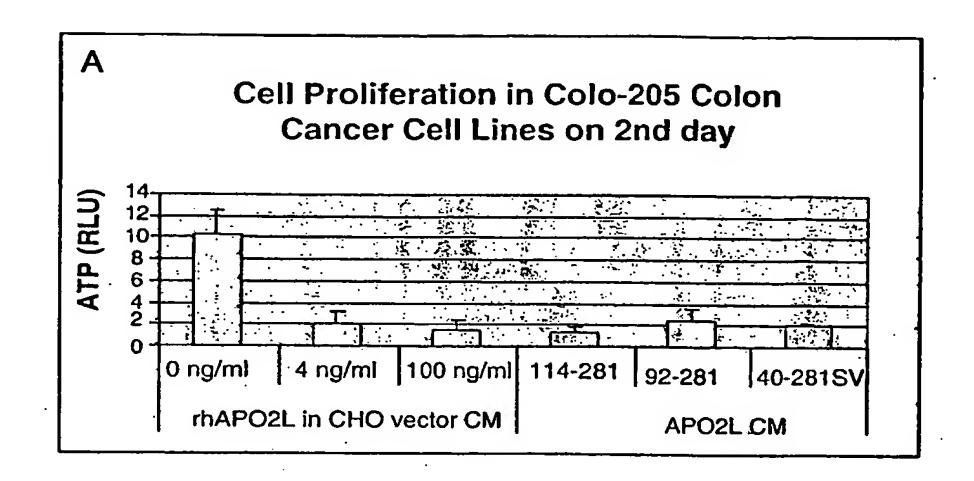
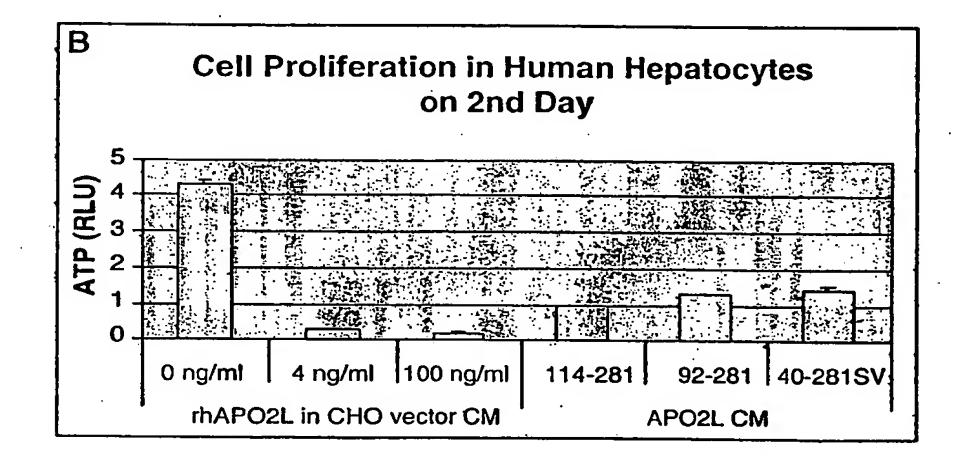


Fig. 8





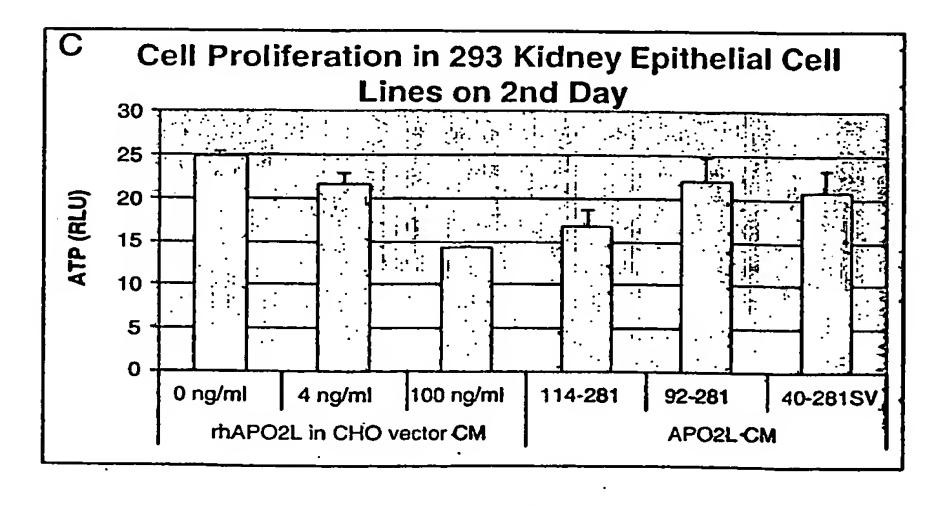
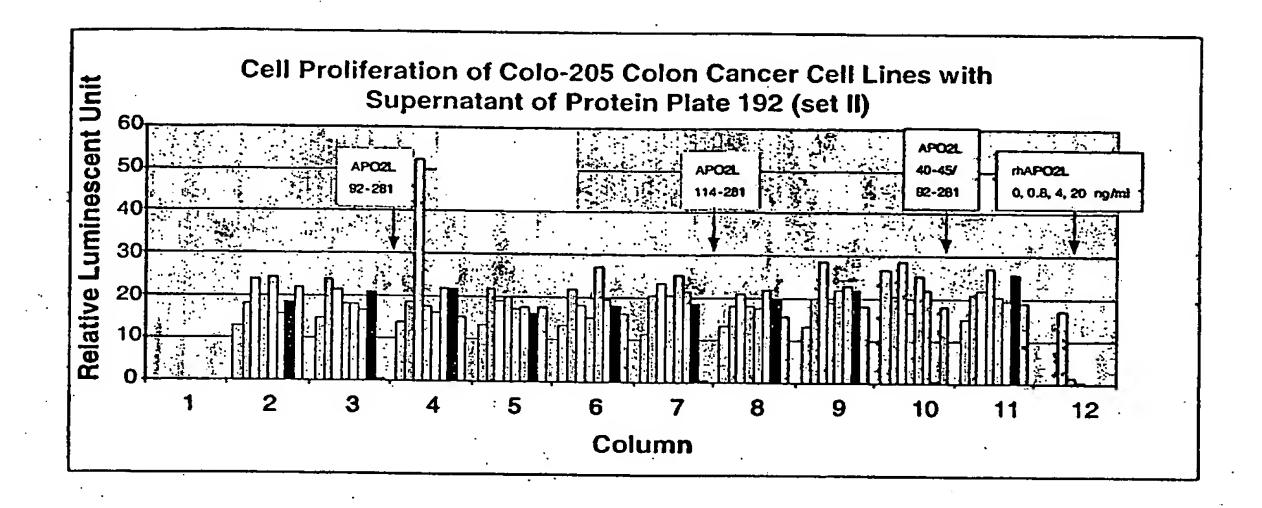
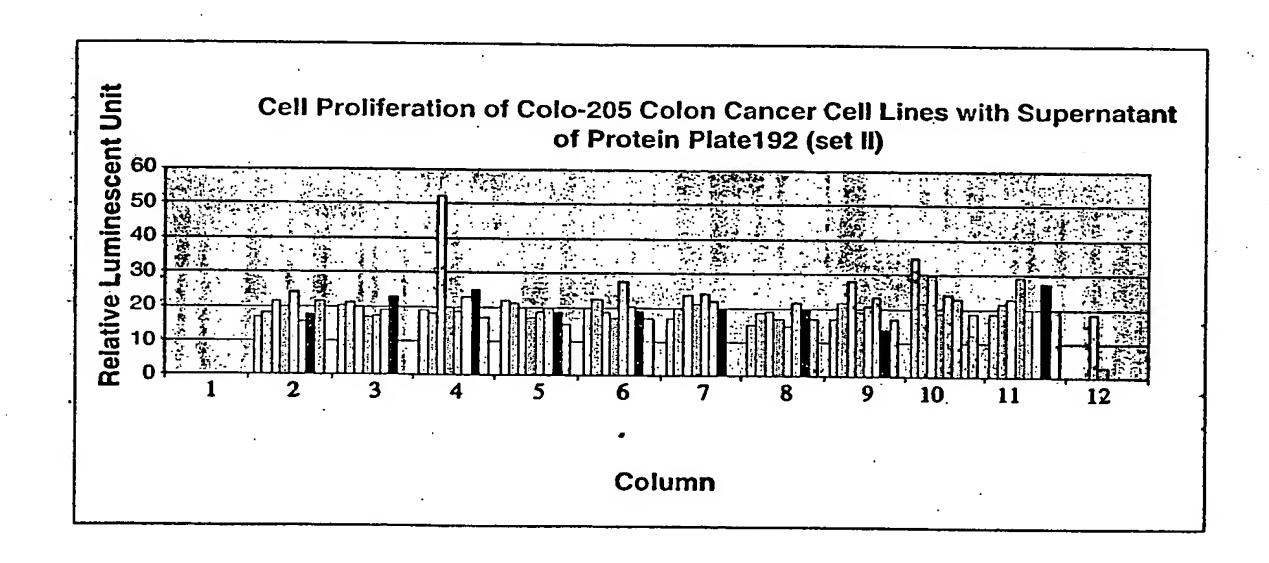


Fig. 9





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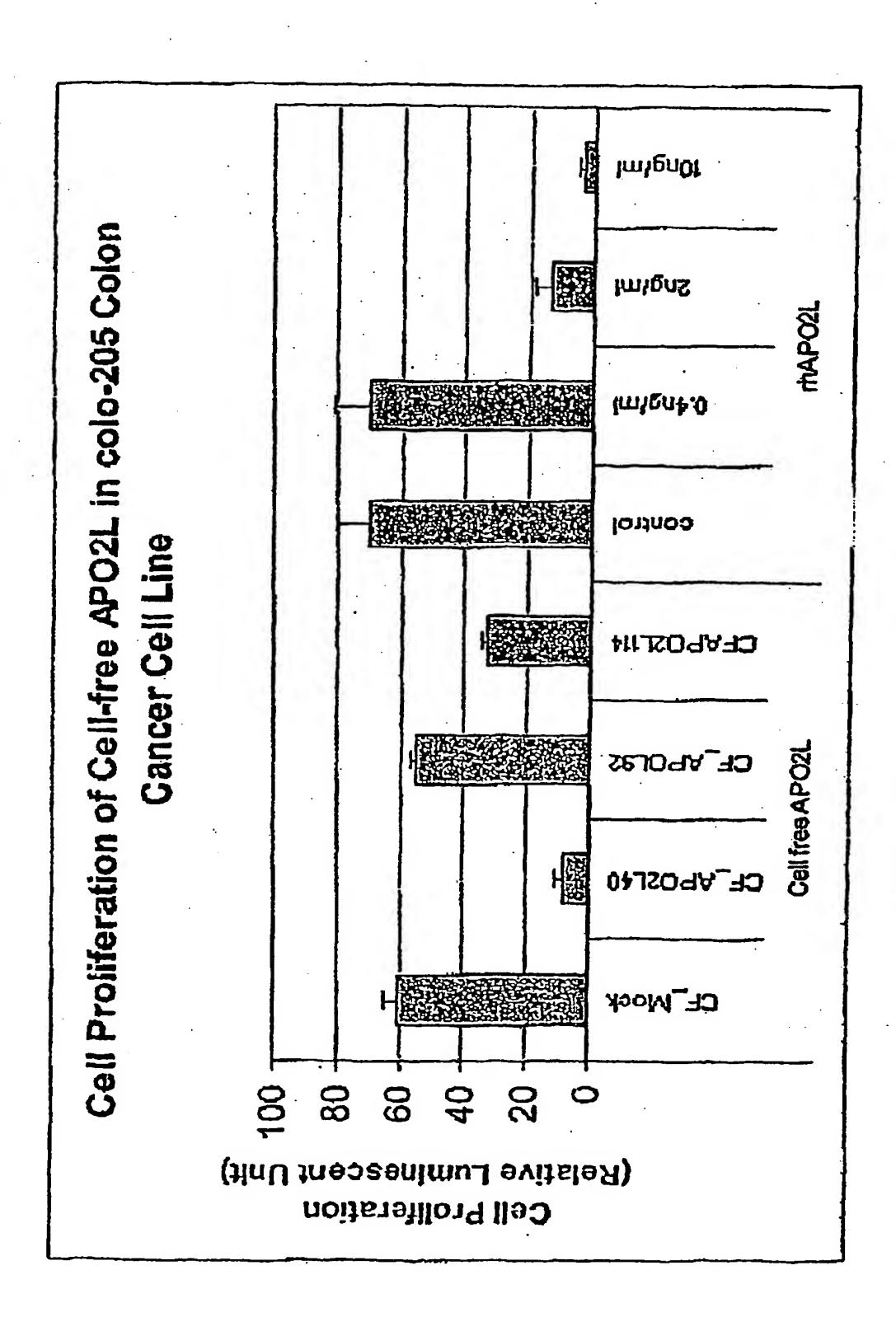


Fig. 11

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